Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		4		
LM End	0.00	Issue Type +	Ma	Location * N/A				
Category	GPS La	atitud	le/Longitude					
Calegory				Start		End		
Item		s & Maintena	nce		0		0	
пеш	Manuals						0	
DWR ID	DWR_RD0	150_01_s _ 201	3_4					
		Comn	nent Cod	le				
		Inspecto	or Comm	nent				
This LMA has the updated O&M manuals for their district.								

No Photos

LM Start	0.00	Rating **	Α	Issue No.	Issue No.		
LM End	0.00	Issue Type +	Ma	Location * N/A			
Category	Earthen Levee				atitud	e/Longitude	
Category				Start		End	
Item	Emergen		0		0		
Item	Equipment Equipment				0		0
DWR ID	DWR_RD0	150_01_s _ 201	3_5				
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			

No Photos

This LMA has adequate amount of flood fighting materials in a centralized location.

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		6		
LM End	0.00	Issue Type +	Ма	Location *		N/A		
Category Earthen Levee			GPS La	atitud	le/Longitude			
Calegory						End		
Item	Flood Pre	paredness &	Training		٥		0	
пеш					٥		0	
DWR ID	DWR_RD0	150_01_s _ 201	3_6					
		Comn	nent Cod	le				
	Inspector Comment							
The crew of	of this LMA	had flood fig	hting trai	ning from [)WR	R.		

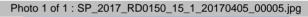
No Photos

LM Start	0.02	Rating **	Issue No.		1	
LM End	0.50	Issue Type +	Ma	Location * WS		WS
Category Earthen Levee				GPS Latitude/Longitude		
Calegory			Start		End	
Item	Vegetatio	n		38.33252	23 °	38.328236 °
пеш			-121.58314	10°	-121.576547 °	
DWR ID DWR_RD0150_01_s _ 2017_1						
		_				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment





View of vegetation on the waterside slope of the levee.

LM Start	0.02	Rating **	М	Issue No.		8
LM End	0.50	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	titud	e/Longitude
Calegory						End
Item	Vegetatio	n		38.33252	20°	38.328236 °
пеш			-121.58313	39°	-121.576547 °	
DWR ID	DWR ID DWR_RD0150_01_s _ 2017_8					

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment



View of vegetation on the landside slope of the levee.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

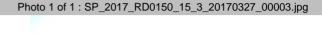
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.19	Rating **	A/W	Issue No.	3	
LM End	0.19	Issue Type +	Ма	Location *	LS	
Category	Earthen L	evee		GPS La	tituc	le/Longitude
Calegory				Start		End
Item	Vegetatio	n		38.33140)2 °	38.331402°
item			-121.58035	8°	-121.580358 °	
DWR ID DWR_RD0150_01_s _ 2012_3						
		Comn	nent Coc	de		

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

Elderberry is trimmed and levee slope is accessible.





View of the elderberry on the landside toe of the levee. The elderberry doesn't block visibility and it is trimmed up 5 feet above the slope.

LM Start	0.44	Rating **	М	Issue No.		2		
LM End	0.49	Issue Type +	Ma	Location *		WS		
Category				GPS Latitude/Longitude				
Calegory				Start		End		
Item		CE Erosion S	Survey,	38.3285	55 °	38.328020 °		
item	DRAFT			-121.5775	44 °	-121.576693 °		
DWR ID DWR_RD0150_01_s _ 2016_2								
	Comment Code							

Inspector Comment

2013 - Old toe repair unraveling. Bridge at upstream end of site. 2015: No observed changes. [2015 Site ID: STR_28-4_R]



USACE 2013 Photo #1

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.44	Rating **	М	Issue No.		2 (cont)
LM End	0.49	Issue Type +	Ma	Location *		WS
Catagony	Supplemental					le/Longitude
Calegory				Start		End
Item		CE Erosion S	Survey,	38.3285	55 °	38.328020°
пеш	DRAFT			-121.57754	14 °	-121.576693 °
DWR ID	DWR_RD0	150_01_s _ 201	6_2			
Comment Code						

Inspector Comment

2013 - Old toe repair unraveling. Bridge at upstream end of site. 2015: No observed changes. [2015 Site ID: STR_28-4_R]



USACE 2013 Photo #2

LM Start	0.49	Rating **	С	Issue No.	7		
LM End	0.49	Issue Type +	Ма	Location *	WS		
Category	evee	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Encroachments			38.328256 °		38.328256 °	
пеш				-121.5766	37°	-121.576637 °	
DWR ID	DWR_RD0	150_01_f _ 201	6_7				
		Comn	nent Cod	le			
DE : Debris							

Inspector Comment

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.04	Rating **	М	Issue No.		68		
LM End	3.46	Issue Type +	Ma	Location *		LS		
Cotogony	evee	GPS La	atitud	e/Longitude				
Category				Start		End		
Item	Vegetatio	n		38.3285	68°	38.357703		
пеш				-121.5758	27°	-121.528231		
DWR ID DWR_RD0150_02_s _ 2017_68								
		Comn	nent Cod	de				
V1 : Contro easements		rass and wee	eds on th	e levee slop	oes a	and		
		Inspecto	or Comm	nent				

No Photos

LM Start	0.38	Rating **	М	Issue No.		6	
LM End	0.38	Issue Type +	Ма	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory		Start		End			
Item	Slope Sta	bility		38.3325	98°	38.332598	
item				-121.5721	79°	-121.572179 °	
DWR ID	WR ID DWR_RD0150_02_s _ 2012_6						
Comment Code							

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment



Updated view of the slope instability on the waterside of the levee. Fall

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.38	Rating **	М	Issue No.		6 (cont)			
LM End	0.38	Issue Type +	Ma	Location *	WS				
Category	evee	GPS La	atitud	e/Longitude					
Calegory				Start		End			
Item	Slope Sta	bility		38.3325	98°	38.332598°			
item				-121.5721	79°	-121.572179°			
DWR ID DWR_RD0150_02_s _ 2012_6									
		Comn	nent Coo	de					
S2 : Repai where pos		slope damag	jed by fo	ot traffic an	d pr	event access			
		Inspecto	or Comm	nent					



Updated photo of the slope instability on the waterside of the levee looking upstream during spring 2014 inspection.

-								
LM Start	0.53	Rating **	N	Issue No.		66		
LM End	0.53	Issue Type +	Ma	Location *		LS		
Cotogony	evee	GPS La	atitud	e/Longitude				
Category				Start		End		
Item	Trim / Thi	n Trees		38.3343	18°	38.334318°		
пеш				-121.5703	49°	-121.570349°		
DWR ID	DWR_RD0	150_02_f _ 201	6_66			·		
		Comn	nent Cod	le				
T5 : Tree s	stumps.							
		Inspecto	or Comm	nent				

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.56	Rating **	С	Issue No.		57			
LM End	0.56	Issue Type +	Ma	Location *		WS			
Category	Earthen L	evee	GPS La	atitud	e/Longitude				
Calegory				Start		End			
Item	Encroach	ments		38.3345	25°	38.334525 °			
пеш				-121.5700	25 °	-121.570025 °			
DWR ID	DWR_RD0	150_02_s _ 201	6_57						
		Comn	nent Cod	le					
TR : Tree	or limb								
		Inspecto	or Comm	nent					

No Photos

LM Start	0.71	Rating **	М	Issue No.		10		
LM End	0.71	Issue Type +	Ма	Location *	WS			
Earthen Levee				GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Encroach	ments		38.3362	28°	38.336228°		
пеш				-121.568332 °		-121.568332 °		
DWR ID	DWR_RD0	150_02_s _ 201	3_10					
		Comn	nent Cod	le				
DE : Debri	is							
		Inspecto	or Comm	nent				

Photo 1 of 1: SP_2017_RD0150_16_10_20170327_00007.jpg



Debris was found on the waterside slope of the levee looking downstream during Spring 2013 inspection.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.71	Rating **	М	Issue No.		59		
LM End	0.71	Issue Type +	Ма	Location *	LS			
Catagoni	evee		GPS La	atitu	de/Longitude			
Category				Start		End		
Item	Encroach		38.3362	91 °	38.336291 °			
item				-121.5682	60°	-121.568260 °		
DWR ID DWR_RD0150_02_s _ 2016_59								
		Comn	nent Cod	le				
TR : Tree	or limb							
Inspector Comment								
Damaged tree roots and trunks appear to damage landside slope of the levee.								

LM Start	0.71	Rating **	М	Issue No.	59 (cont)
LM End	0.71	Issue Type +	Ma	Location *	LS



Photo 1 of 2: SP_2017_RD0150_16_59_20170327_00032.jpg

Updated picture of the tree limbs and roots on the landside of the levee looking downstream. Fall 2016

Photo 2 of 2 : SP_2017_RD0150_16_59_20170327_00033.jpg



View of tree trunks and roots on the landside of the levee looking upstream.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	0.72	Rating **	М	Issue No.		71		
LM End	0.72	Issue Type +	Ma	Location *		LS		
Category	evee		GPS La	titud	e/Longitude			
Calegory				Start		End		
Item	Encroach	ments		38.3363	92 °	38.336392°		
пеш				-121.5683	11 °	-121.568311 °		
DWR ID	DWR ID DWR_RD0150_02_s _ 2017_71							
		Comn	nent Cod	le				
TR: Tree	or limb							
		Inspecto	or Comm	nent				

No Photos

LM Start	1.14	Rating **	N	Issue No.		8	
LM End	1.14	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Trim / Thin Trees		38.340864 °		38.340864 °			
пеш	Item			-121.562915 °		-121.562915 °	
DWR ID	DWR_RD0	150_02_s _ 201	2_8			·	
		Comn	nent Cod	de			
T5 : Tree s	stumps.						
Inspector Comment							



View of a tree stump on the landward slope.

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	1.34	Rating **	М	Issue No.	996			
LM End	1.34	Issue Type +	Ma	Location *	LS			
Category Supplemental GPS Latitude/Longitude								
Calegory	Start End							
DWR UCIP LMA Responsibility 38.343136° 38.34313								
пеш	-121.560868 ° -121.560868							
DWR ID								
	Comment Code							

Inspector Comment

FS_ID:20727 DS_ID:22393 EP_NO: 18221

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Pump house and drainage ditch about 250 feet from the levee on landside.Pumps on piling structure with shed in drainage ditch.Siphon breaker cover missing. Needs to fix it.

FIELD_STRUCT_DESC: 1 of 2: 30-inch pipe (of 30-inch and 24-inch steel pipes), 7.0 feet below the crown replaced 36-inch and 24-inch pipes through the levee, 9.0 and 8.0 feet below the crown respectively. Flap gates on the waterward ends. Siphon breakers on the waterward slope. Pumps on piling structure with shed in drainage ditch. (App. No. 18221 - R.D. No. 150 drainage plant). O&M Manual SAC 112, March 1957.

FS Date: 8/27/2013

LM Start	1.34	Rating **	М	Issue No.	996 (cont)
LM End	1.34	Issue Type +	Ma	Location *	LS



Bird's eye view: outfall pipes (bottom) and pump structure in drainage ditch (top)

Photo 2 of 3: UCIP_SP_2017_20727_34888.jpg



WS view: siphon breaker in pipe riser on levee shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	1.34	Rating **	М	Issue No.		996 (cont)		
LM End	1.34	Issue Type +	Ма	Location *	LS			
Category Supplemental GPS Latitude/Longi						le/Longitude		
Calegory	Start End							
Item	DWR UCI	IP LMA Respo	onsibility	38.34313	36°	38.343136 °		
пеш	-121.560868 ° -121.56086							
DWR ID								
	Comment Code							

Inspector Comment

FS_ID:20727 DS_ID:22393 EP_NO: 18221

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Pump house and drainage ditch about 250 feet from the levee on landside.Pumps on piling structure with shed in drainage ditch.Siphon breaker cover missing. Needs to fix it.

FIELD_STRUCT_DESC: 1 of 2: 30-inch pipe (of 30-inch and 24-inch steel pipes), 7.0 feet below the crown replaced 36-inch and 24-inch pipes through the levee, 9.0 and 8.0 feet below the crown respectively. Flap gates on the waterward ends. Siphon breakers on the waterward slope. Pumps on piling structure with shed in drainage ditch. (App. No. 18221 - R.D. No. 150 drainage plant). O&M Manual SAC 112, March 1957.

FS Date: 8/27/2013



WS view: submerged flap gate in the stream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

1.34	Rating **	A/W	Issue No.		997	
1.34	Issue Type +	Ма	Location *	LS		
Supplemental				GPS Latitude/Longitude		
				Start		
DWR UCI	P LMA Respo	nsibility	38.34314	4 °	38.343144°	
			-121.56085	6°	-121.560856°	
	1.34 Suppleme	1.34 Issue Type + Supplemental	1.34 Issue Type + Ma	1.34 Issue Type + Ma Location * Supplemental GPS Lati Start DWR UCIP LMA Responsibility 38.34314.	1.34 Issue Type + Ma Location * Supplemental GPS Latitud Start	

Comment Code

Inspector Comment

FS_ID:20346 DS_ID:22479 EP_NO: 18221

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pump house and drainage ditch about 250 feet from the levee on landside.Pumps on piling structure with shed in drainage ditch.

FIELD_STRUCT_DESC: 1 of 2: 24-inch pipe (of 30-inch and 24-inch steel pipes), 7.0 feet below the crown replaced 36-inch and 24-inch pipes through the levee, 9.0 and 8.0 feet below the crown respectively. Flap gates on the waterward ends. Siphon breakers on the waterward slope. Pumps on piling structure with shed in drainage ditch. (App. No. 18221 - R.D. No. 150 drainage plant). O&M Manual SAC 112, March 1957.

FS Date: 8/27/2013

LM Start	1.34	Rating **	A/W	Issue No.	997 (cont)
LM End	1.34	Issue Type +	Ma	Location *	LS



Bird's Eye view: pumping plant (top) and outfall pipes (bottom).

Photo 2 of 3: UCIP_SP_2017_20346_34349.jpg



WS view: submerged flap gate in the stream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	1.34	Rating **	A/W	Issue No.		997 (cont)			
LM End	1.34	Issue Type +	Ma	Location *		LS			
Category	Supplemental				GPS Latitude/Longitude				
Calegory				Start		End			
Item	DWR UCI	IP LMA Respo	onsibility	38.34314	44 °	38.343144 °			
пеш			-121.5608	56°	-121.560856 °				
DWR ID									

Comment Code

Inspector Comment

FS_ID:20346 DS_ID:22479 EP_NO: 18221

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pump house and drainage ditch about 250 feet from the levee on landside.Pumps on piling structure with shed in drainage ditch.

FIELD_STRUCT_DESC: 1 of 2: 24-inch pipe (of 30-inch and 24-inch steel pipes), 7.0 feet below the crown replaced 36-inch and 24-inch pipes through the levee, 9.0 and 8.0 feet below the crown respectively. Flap gates on the waterward ends. Siphon breakers on the waterward slope. Pumps on piling structure with shed in drainage ditch. (App. No. 18221 - R.D. No. 150 drainage plant). O&M Manual SAC 112, March 1957.

FS Date: 8/27/2013



LS view: exposed 30" pipe (left) and 24" pipe (right) on levee slope.

LM Start	1.89	Rating **	С	Issue No.		50			
LM End	1.89	Issue Type +	Ma	Location *		WS			
Category Earthen Levee				GPS Latitude/Longitude					
Category				Start		End			
Item	Encroachments		38.3463	23 °	38.346323	0			
Item				-121.5515	6323°	-121.551568	0		
DWR ID	DWR_RD0	150_02_f _ 201	4_50						
	Comment Code								
DI · Dino							_		

PI: Pipe

Inspector Comment

An abandoned pipe was found on the waterside of the levee.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	2.10	Rating **	М	Issue No.		63			
LM End	2.10	Issue Type +	Ma	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude			
Calegory				Start		End			
Item	ments		38.3470	02°	38.347002 °				
пеш				-121.547803 °		° -121.547803			
DWR ID DWR_RD0150_02_f _ 2016_63									
		Comn	nent Cod	le					
TR : Tree	or limb								
		Inspecto	or Comm	nent					



View of a tree trunk on the landside slope of the levee.

LM Start	2.75	Rating **	N	Issue No.		14			
LM End	2.75	Issue Type +	Ma	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Trim / Thi	n Trees		38.3500	41 °	38.350041 °			
пеш				-121.536853 ° -121.53685					
DWR ID DWR_RD0150_02_s _ 2012_14									
		Comn	nent Cod	le					
T5 : Tree s	stumps.								
		Inspecto	or Comm	nent					



View of a tree stump on the landward slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	3.24	Rating **	М	Issue No.	961	
LM End	3.24	Issue Type +	Ма	Location *		WS
Category Earthen Levee				GPS Lat	tuc	le/Longitude
Calegory				Start		End
Item	Erosion /	Bank Caving		38.35532	1°	38.355321 °
пеш				-121.53090	2°	-121.530902 °
DWR ID DWR_RD0150_02_s _ 2012_961						
		_	. ^			

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.

LM Start	3.24	Rating **	М	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS



Updated picture of the erosion on the waterside of the levee during spring 2015 inspection.

Photo 2 of 5: SP_2017_RD0150_16_961_20170327_00052.jpg



View of the erosion on the waterside slope of the levee near the pipe looking downstream. This picture was taken during the fall 2013 inspection.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	3.24	Rating **	М	Issue No.		961 (cont)	
LM End	3.24	Issue Type +	Ма	Location * WS		WS	
Category	evee		GPS Latitude/Longitude				
Calegory	Start					End	
Item	Erosion /	Bank Caving		38.35532	1°	38.355321	•
item	-121.530902 ° -121.530902						
DWR ID DWR_RD0150_02_s _ 2012_961							

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.

LM Start	3.24	Rating **	М	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS



View of the erosion on the waterside slope of the levee looking upstream during spring 2013 inspection.

Photo 4 of 5: SP_2017_RD0150_16_961_20170327_00054.jpg



View of erosion and damaged pipe and abandoned boat on the waterside of the levee looking upstream. This picture was taken during fall 2012 inspection.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	3.24	Rating **	М	Issue No.		961 (cont)
LM End	3.24	Issue Type +	Ма	Location *	WS	
Cotogony	Earthen L	evee	GPS La	titud	le/Longitude	
Calegory	Category					End
Itom	Erosion /	Bank Caving		38.35532	21 °	38.355321 °
-121.530902 ° -121.530902						
DWR ID DWR_RD0150_02_s _ 2012_961						
		Comp	ant Coc	lo.		

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.



View of the erosion site, and broken pump support along with a boat on the waterside of the levee. The picture was taken from the crown looking towards the toe of the levee during fall 2011 inspection.

LM Start	3.30	Rating **	М	Issue No.		17	
LM End	3.30	Issue Type +	Ma	Location *	LS		
Category	evee	GPS Latitude/Longitude					
Calegory	Category					End	
Item	Vegetatio	n		38.35597	'9	38.355979 °	
item				-121.53028	8 °	-121.530288 °	
DWR ID DWR_RD0150_02_s _ 2012_17							
	Comment Code						

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

Elderberry is partially blocking the visibility.

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain Issue Type Ma: Maintenance Deficiancy

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	3.75	Rating **	U	Issue No.		67
LM End	3.75	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Category				Start		End
Item	Slope Sta	bility		38.3604	44 °	38.360444°
item				-121.5242	° 00	-121.524200 °
DWR ID	DWR_RD0	150_02_s _ 201	7_67			
		Comn	nent Coo	le		
S1 : Repa	ir slope ins	tability.				
			_			
		Inspecto	or Comm	nent		



View of a slope instability on the landside of the levee looking downstream.

ltem -							
Category Earthen Levee GPS Latitude/Longitude Start End 38.362357 38.362357 -121.522582 -121.522582 DWR ID DWR_RD0150_02_s _ 2016_61 Comment Code PR : Prunings	LM Start	3.91	Rating **	М	Issue No.		61
Category Start End Item 38.362357 ° 38.362357 38.362357 ° 38.362357 DWR ID DWR_RD0150_02_s _ 2016_61 -121.522582 Comment Code PR: Prunings	LM End	3.91	Issue Type +	Ма	Location *		LS
Start End 38.362357	Catagory	evee		GPS La	atituc	le/Longitude	
ttem	Calegory				Start		End
-121.522582 -121.522582 -121.522582 DWR ID DWR_RD0150_02_s _ 2016_61 Comment Code PR : Prunings	Itom	Encroach	ments		38.3623	57°	38.362357°
Comment Code PR : Prunings	пеш			-121.5225	82 °	-121.522582 °	
PR : Prunings	DWR ID	DWR_RD0	150_02_s _ 201	6_61			
			Comn	nent Coo	de		
Inspector Comment	PR : Pruni	ngs					
Inspector Comment							
			Inspecto	or Comm	nent		



View of prunings on the landside of the levee.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	4.50	Rating **	A/W	Issue No.		1
LM End	4.57	Issue Type +	Ma	Location *		WS
Category			GPS Latitude/Longitude			
Category				Start		End
Item	2015 USACE Erosion Survey,			38.37092	8°	38.371909 °
пеш	DRAFT			-121.52306	9°	-121.523316 °
DWR ID	DWR_RD0	150_02_s _ 201	6_1			
Comment Code						

Inspector Comment

1999 - Downstream end (300 ft) repaired with rock. 2010 - Toe erosion, some vertical slopes lower down. 2011 - Failing rock repair. Slumping of the lower bank. Minor new erosion. 2013 - Tree at upstream end has exposed roots. Some new erosion. 2015: No observed changes. [2015] Site ID: SAC_38-5_R]

Photo 1 of 1 · SP 20	17 RD0150	16 28	20170327	00016 ina

No Photos



Century plant on waterward slope at LM 4.76

LM Start	t 4.69 Rating ** M Issue No. 28					28
LM End	4.69	Issue Type +	Ma	Location *	WS	
Catagoria Earthen Levee GPS Latitude/Longitude						
Category	Start End					End
Item	Vegetation 38.373485 ° 38.373485					
item				-121.5239	63 °	-121.523963 °
DWR ID	DWR_RD0	150_02_s _ 201	2_28			
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						

Inspector Comment

Rating

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	4.91	Rating **	М	Issue No.		72
LM End	4.91	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory			Start		End	
Item	Encroach	Encroachments			43°	38.376543 °
пеш		-121.525471			71 °	-121.525471 °
DWR ID	DWR_RD0	150_02_s _ 201				
Comment Code						
PR : Pruni	ngs					
Inspector Comment						

No Photos

LM Start	5.24	Rating **	М	Issue No.		975	
LM End	5.24	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start	End		
Item	Slope Sta	bility	ty			38.381126 °	
item				-121.5242	07°	-121.524207 °	
DWR ID	DWR ID DWR_RD0150_02_s _ 2013_975						
Comment Code							
S1 : Repai	r slope ins	tability.					

Inspector Comment

Depression in the waterward slope at the shoulder over an irrigation pipe.

Photo 1 of 2: SP_2017_RD0150_16_975_20170327_00056.jpg



View of minor slope instability on the waterside slope of the levee looking downstream during fall 2013 inspection.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	5.24	Rating **	М	Issue No. 975 (cor		975 (cont)
	5.24	Issue Type +	Ma	Location *		WS
LM End	5.24	issue Type +	IVIA	Location		VVS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Odlogory				Start		End
Item	Slope Sta	bility		38.381126° 38.38		
пеш				-121.5242	-121.524207 °	
DWR ID	DWR_RD0150_02_s _ 2013_975					
		Comn	nent Cod	le		
S1 : Repai	r slope ins	tability.				
Inspector Comment						
Depression pipe.	n in the wa	iterward slope	at the s	houlder ove	er ar	irrigation



View of a minor depression along the landward slope of the levee over a pipe penetration looking downstream.

LM Start	5.33	Rating **	М	Issue No.		54	
LM End	5.33	Issue Type +	Type + Ma Lo			WS	
Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Slope Sta	bility		38.3820	72 °	38.382072 °	
item				-121.5232	20°	-121.523220 °	
DWR ID DWR_RD0150_02_f _ 2014_54						·	
Comment Code							

Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment



View of a slope instability on the waterside of the levee looking towards the toe.

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Rating

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	5.33	Rating **	M	Issue No.		73
LM End	7.69	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Vegetatio		38.3820	63°	38.412552 °	
пеш				-121.5232	-121.521771 °	
DWR ID DWR_RD0150_02_s _ 2017_73						
Comment Code						
V1 : Contro easements	•	grass and wee	ds on th	e levee slo	pes	and
Inspector Comment						

No Photos

-						
LM Start	5.69	Rating **	С	Issue No.		62
LM End	5.69	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Encroach		38.3853	29°	38.385329°	
пеш	-121.51802				24 °	-121.518024°
DWR ID DWR_RD0150_02_f _ 2016_62						
		Comn	nent Cod	de		
DE : Debri	S					
		Inspecto	or Comm	nent		

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	5.90	Rating **	М	Issue No.		52	
LM End	5.90	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.3879	15°	38.387915°	
пеш				-121.516002 °		-121.516002 °	
DWR ID	DWR ID DWR_RD0150_02_f _ 2016_52						
	Comment Code						
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			
Erosion du	e to runoff	f					

Photo 1 of 2 : SP_2017_RD0150_16_52_20170405_00118.jpg
Ofference .

Updated picture of the erosion on the landside of the levee during spring 2017 inspection.

 LM Start
 5.90
 Rating **
 M
 Issue No.
 52 (cont)

 LM End
 5.90
 Issue Type +
 Ma
 Location *
 LS

Photo 2 of 2: SP_2017_RD0150_16_52_20170327_00026.jpg



View of an erosion due to runoff on the landside of the levee. Fall 2016

LM Start	6.63	Rating **	М	Issue No.		47		
LM End	7.56	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Category				Start		End		
Item	Vegetatio	n		38.3983	03°	38.410875 °		
item				-121.5147	'89	-121.520530 °		
DWR ID	DWR_RD0	150_02_s _ 201	7_47					
		Comn	nent Cod	le				
V1 : Contro easements		rass and wee	eds on th	e levee slo	pes a	and		
		Inspecto	or Comm	nent				

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/29/2017 03/29/2017	Pavel Kazi

LM Start	7.22	Rating **	A/W	Issue No.		32
LM End	7.22	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Vegetatio	n		38.4064	54°	38.406454 °
пеш				-121.5177	'32 °	-121.517732 °
DWR ID	DWR_RD0	150_02_s _ 201	2_32			
		Comn	nent Cod	le		
V4 : Elderb	perries are	blocking visib	ility and	flood fight	capa	bility.
		Inspecto	or Comm	nent		

No Photos

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

* Rating

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM End		Rating **	M	Issue No.		936	
-	0.11	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Vegetation	า		38.3342	33 °	38.334233	
пеш				-121.5834	14 °	-121.583414	
DWR ID	DWR_RD0	150_03_s _ 201	2_936				
		Comn	nent Cod	le			
V4 : Elderb	erries are	blocking visib	ility and	flood fight	сара	bility.	
		Inspecto	or Comm	ent			
Elderberrie	s are parti	ally blocking	isibility.				



View of elderberry bush within 20 feet of shoulder blocking visibility and access.

LM Start	0.21	Rating **	М	Issue No.		39
LM End	0.62	Issue Type +	Ма	Location *		WS
Category	evee	GPS Latitude/Longitude				
Calegory	alegory					End
Item	Vegetatio	n		38.335630°		38.341228 °
item			-121.5827	44 °	-121.580609 °	
DWR ID DWR_RD0150_03_s _ 2017_39						
Comment Code						

V1 : Control annual grass and weeds on the levee slopes and

easements.

Inspector Comment



View of the vegetation on the waterside slope of the levee looking downstream.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	0.21	Rating **	М	Issue No.		38
LM End	0.63	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		38.3356	30°	38.341390°
Item				-121.5827	'44 °	-121.580568 °
DWR ID	DWR_RD0	150_03_s _ 201	7_38			
		Comn	nent Cod	le		
V1 : Contro easements		grass and wee	ds on th	e levee slo	pes a	and
		Inspecto	or Comm	nent		



View of the vegetation on the landside slope of the levee looking downstream.

LM Start	0.66	Rating **	М	Issue No.		45	
LM End	2.93	Issue Type +	Ма	Location *	tion * WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetatio	Vegetation			43°	38.362112 °	
пеш				-121.5804	13 °	-121.562268 °	
DWR ID	DWR_RD0	150_03_s _ 201	7_45				
		Comn	nent Cod	de			
V1 : Control annual grass and weeds on the levee slopes and easements.							
	Inspector Comment						

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

1110	0.00	Rating **	N 4	Issue No.		40	
LM Start	0.66	Rating	М	issue ivo.		42	
LM End	2.93	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		38.3418	43°	38.362112 °	
item				-121.580413 °		3° -121.562268°	
DWR ID	DWR_RD0	150_03_s _ 201	7_42				
		Comn	nent Cod	de			
V1 : Contro easements		grass and wee	eds on th	e levee slo	oes a	and	
		Inspecto	or Comm	nent			



View of the vegetation on the landside slope of the levee looking upstream.

LM Start	0.92	Rating **	М	Issue No.		5	
LM End	0.92	Issue Type +	Ма	Location *		LS	
Category	evee	GPS Latitude/Longitude					
Calegory			Start		End		
Item	Vegetatio	n		38.3454	93 °	38.345493°	
пеш				-121.5796	82 °	-121.579682°	
DWR ID	VR ID DWR_RD0150_03_s _ 2012_5						
Comment Code							

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

Elderberries are partially blocking visibility.

Photo 1 of 1: SP_2017_RD0150_17_5_20170327_00001.jpg



View of elderberries on the landward slope of the levee.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	4.40								
LM Start									
	1.40	Rating **	М	Issue No.		393			
LM End	1.40	Issue Type +	Ma	Location *		WS			
Category	arthen L	evee		GPS La	atitud	le/Longitude			
Calegory			Start		End				
ltem A	nimal Co	ontrol		38.3478	80°	38.347880 °			
пеш				-121.572500 °		00° -121.572500°			
DWR ID DWR_RD0150_03_s _ 2015_393									
		Comn	nent Cod	le					
A3 : No rode compact or g		le, but rodent rows.	burrows	visible; nee	ed to	backfill and			
		Inspecto	or Comm	nent					



Rodent holes were found on the waterside of the levee looking downstream.

LM Start	1.83	Rating **	М	Issue No.		85		
LM End	1.83	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category			Start		End			
Item	Encroach	croachments			61°	38.353761 °		
пеш		-121.572390 °		-121.572390°				
DWR ID	ID DWR_RD0150_03_s _ 2016_85							
		Comn	nent Cod	de				
TR : Tree	or limb							
Inspector Comment								



View of broken tree trunk on the waterside slope of the levee.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	2.21	Rating **	М	Issue No.		46			
LM End	2.21	Issue Type +	Ma	Location *		WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Animal Control			38.3537	'44 °	38.353744°			
пеш			-121.566132 °		32 ° -121.566132 °				
DWR ID DWR_RD0150_03_s _ 2017_46									
		Comn	nent Cod	de					
A3 : No ro compact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and			
		Inspecto	or Comm	nent					



View of a rodent hole on the waterside slope of the levee.

LM Start	2.24	Rating **	М	Issue No.		75	
LM End	2.24	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Category						End	
Item	Vegetatio	n		38.35381	1°	38.353811 °	
пеш			-121.56566	8 °	-121.565668 °		
DWR ID	DWR_RD0150_03_f _ 2014_75						
		0		la.			

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Newly planted tree was found on the landside slope of the levee.

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	2.31	Rating **	М	Issue No.		78		
LM End	2.31	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Trim / Thi	n Trees		38.3542	286°	38.354286 °		
Item			-121.564494 °		-121.564494 °			
DWR ID DWR_RD0150_03_s _ 2012_78								
		Comn	nent Cod	le				
T2 : Thin t	rees to allo	w visibility of	the grou	nd and roo	m to	flood fight.		
		Inspecto	or Comm	nent				
New tree was planted on the landside slope.								

-500	
	04/08/2015

Photo 1 of 4: SP_2017_RD0150_17_78_20170327_00056.jpg

Updated picture of the trees on the landside of the levee during spring 2015 inspection.

LM Start 2.31 Rating ** M Issue No. 78 (cont) LM End 2.31 Issue Type + Ma Location * LS

Photo 2 of 4: SP_2017_RD0150_17_78_20170327_00057.jpg



View of the newly planted tree on the landside slope of the levee during spring 2014 inspection.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	2.31	Rating **	М	Issue No.		78 (cont)		
LM End	2.31	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Trim / Thin Trees				38.3542	86°	38.354286 °		
item	em				94°	-121.564494 °		
DWR ID DWR_RD0150_03_s _ 2012_78								
Comment Code								
T2 : Thin to	rees to allo	w visibility of	the grou	nd and roo	m to	flood fight.		
		Inspecto	or Comm	nent				
New tree was planted on the landside slope.								

i			D			
	LM Start	2.31	Rating **	М	Issue No.	78 (cont)
	LM End	2.31	Issue Type +	Ма	Location *	LS



Several newly planted trees were found on the landside slope of the levee looking upstream during the fall 2013 inspection.

Photo 4 of 4: SP_2017_RD0150_17_78_20170327_00059.jpg



New tree was planted on the landside of the levee looking downstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	2.52	Rating **	М	Issue No.		54
LM End	2.52	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS La	atitud	le/Longitude	
Category				Start		End
Item	Erosion /	Bank Caving		38.3563	98°	38.356398 °
item		-121.5618	34°	-121.561834 °		
DWR ID	DWR_RD0	150_03_s _ 201	7_54			
		Comn	nent Cod	de		
E2 : Scheo	dule repair	of erosion site	e prior to	the next in	spe	ction.
		Inspecto	or Comm	nent		



View of an erosion on the waterside slope of the levee looking downstream.

LM Start	2.55	Rating **	С	Issue No.		11	
LIVI Start	2.33	rtating	C	13300 140.	11		
LM End	2.55	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Trim / Thi	Trim / Thin Trees			53°	38.356853°	
пеш				-121.5615	65 °	-121.561565 °	
DWR ID	DWR_RD0	150_03_s _ 201	2_11				
		Comn	nent Cod	le			
T5 : Tree stumps.							
	Inspector Comment						

No Photos

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	2.75	Rating **	М	Issue No.		62
LM End	2.75	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Slope Sta	bility		38.3596	93°	38.359693°
item				-121.5613	54°	-121.561354°
DWR ID	DWR_RD0	150_03_s _ 201	7_62			
		Comn	nent Cod	le		
S1 : Repai	r slope ins	tability.				
		Inspecto	or Comm	nent		
Run off du	e to rain.					



View of slope instability on the waterside slope of the levee looking downstream.

-							
LM Start	2.80	Rating **	М	Issue No.		35	
LM End	2.80	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion / Bank Caving				32°	38.360432 °	
пеш				-121.561644 ° -121.56164			
DWR ID	DWR_RD0	150_03_s _ 201	3_35				
		Comn	nent Cod	le			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
Inspector Comment							



Updated picture of the erosion on the waterside of the levee during spring 2017 inspection.

* Rating

A : Acceptable

M : Minimally Acceptable

U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	2.80	Rating **	М	Issue No.		35 (cont)	
LM End	2.80	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category						End	
Erosion / Bank Caving				38.3604	32°	38.360432°	
пеш				-121.5616	44 °	° -121.561644	
DWR ID	DWR_RD0	150_03_s _ 201	3_35				
		Comn	nent Cod	de			
E2 : Sche	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			



View of the erosion on the waterside of the levee during spring 2015 inspection.

LM Start	2.81	Rating **	М	Issue No.		71
LM End	2.81	Issue Type +	Ма	Location *	CR	
Category Earthen Levee				GPS La	atitud	e/Longitude
Calegory			Start		End	
Item	Animal Co	ontrol		38.360477°		38.360477 °
item				-121.5616	25 °	-121.561625 °
DWR ID DWR_RD0150_03_s _ 2017_71						
Comment Code						

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of a rodent hole on the landside shoulder of the levee looking upstream.

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	2.82	Rating **	N	Issue No.		17
LM End	2.82	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Trim / Thin Trees				321°	38.360621 °
пеш			-121.561762 ° -121.561			
DWR ID	DWR_RD0	150_03_s _ 201	2_17			
		Comn	nent Cod	de		
T5 : Tree s	stumps.					
		Inspecto	or Comm	nent		



View of tree stumps on the waterward slope.

LM Start	3.15	Rating **	С	Issue No.		20
LM End	3.15	Issue Type +	Ma	Location *	WS	
Category Earthen Levee				GPS La	titud	e/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		38.3636	58°	38.363658 °
пеш				-121.5595	33°	-121.559583 °
DWR ID	DWR_RD0150_03_s _ 2012_20					
Comment Code						

T5 : Tree stumps.

Inspector Comment

No Photos

LM Start	3.34	Rating **	N	Issue No.	27	
LM End	3.34	Issue Type +	Ма	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
Calegory				Start		End
Item	Trim / Thin Trees			38.363147°		38.363147°
пеш				-121.556190 °		-121.556190°
DWR ID DWR_RD0150_03_s _ 2012_27						
Comment Code						
T5 : Tree stumps.						
Inspector Comment						



View of tree stumps on the waterside slope looking upstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

3.39	Rating **	U	Issue No.		115	
3.39	Issue Type +	Ma	Location *	LS		
Earthen Levee			GPS Latitude/Longitude			
gory			Start		End	
Erosion / Bank Caving			38.363540°		38.363540°	
			-121.5555	54°	-121.555554°	
DWR ID DWR_RD0150_03_f _ 2013_115						
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Erosion (ditch) was found on the landside toe of the levee.						
	3.39 Earthen L Erosion / DWR_RD0	3.39 Issue Type + Earthen Levee Erosion / Bank Caving DWR_RD0150_03_f _ 201: Comn dule repair of erosion site	3.39 Issue Type + Ma Earthen Levee Erosion / Bank Caving DWR_RD0150_03_f2013_115 Comment Codule repair of erosion site prior to	3.39 Issue Type + Ma Location * Earthen Levee GPS La Start Erosion / Bank Caving 38.3635 -121.5555 DWR_RD0150_03_f _ 2013_115 Comment Code dule repair of erosion site prior to the next in Inspector Comment	3.39 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Erosion / Bank Caving 38.363540 ° -121.555554 ° DWR_RD0150_03_f_2013_115 Comment Code dule repair of erosion site prior to the next inspector Comment	

LM Start	3.39	Rating **	U	Issue No.	115 (cont)
LM End	3.39	Issue Type +	Ма	Location *	LS



Updated picture of the ditch on the landside toe of the levee. Fall 2016

Photo 2 of 3: SP_2017_RD0150_17_115_20170327_00080.jpg



Updated picture of the ditch on the landside toe of the levee during fall 2015 inspection.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	3.39	Rating **	U	Issue No.		115 (cont)
LM End	3.39	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Erosion /	Bank Caving		38.3635	40°	38.363540°
item				-121.555554 ° -121.55		-121.555554 °
DWR ID	D DWR_RD0150_03_f _ 2013_115					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
	Inspector Comment					
Erosion (ditch) was found on the landside toe of the levee.						



A drainage ditch with depth of 4 feet and width of 15 feet was found on the landside toe of the levee. The picture was taken from the landside slope looking upstream during the fall 2013 inspection.

3.41	Rating **	С	Issue No.		98
3.41	Issue Type +	Ма	Location *		WS
Earthen L	evee		GPS La	titud	e/Longitude
					End
Erosion /	Erosion / Bank Caving			03 °	38.363803°
			-121.5554	32 °	-121.555432 °
DWR_RD0150_03_s _ 2012_98					
	Comn	nent Cod	le		
and monito	or erosion site				
	la a a a a t	0			
Inspector Comment					
as located	on the waters	ide of the	e levee look	ing	downstream.
	3.41 Earthen L Erosion / I DWR_RD0 and monito	3.41 Issue Type + Earthen Levee Erosion / Bank Caving DWR_RD0150_03_s_201 Comn and monitor erosion site Inspector	3.41 Issue Type + Ma Earthen Levee Erosion / Bank Caving DWR_RD0150_03_s _ 2012_98 Comment Cocand monitor erosion site. Inspector Comment	3.41 Issue Type + Ma Location * Earthen Levee GPS La Start Erosion / Bank Caving 38.3638 -121.5554: DWR_RD0150_03_s _ 2012_98 Comment Code and monitor erosion site. Inspector Comment	3.41 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Erosion / Bank Caving 38.363803 ° -121.555432 ° DWR_RD0150_03_s _ 2012_98 Comment Code and monitor erosion site.

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	3.45	Rating **	A/W	Issue No.		76
LM End	3.45	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Riprap Re	evetments		38.3643	38.364325 °	
пеш				-121.555330 °		-121.555330 °
DWR ID	DWR ID DWR_RD0150_03_s _ 2017_76					
		Comn	nent Cod	le		
Inspector Comment						
LMA or the	e pipe own	er has placed	new ripr	ap on the w	vate	side slope.



View of the new riprap on the waterside slope of the levee looking downstream. Spring 2017

LM Start	3.56	Rating **	М	Issue No.		77	
LM End	3.56	Issue Type +	Ма	Location * LS		LS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Animal Co	ontrol		38.3658	99°	38.365899 °	
item				-121.5556	11 °	-121.555611 °	
DWR ID	DWR_RD0	150_03_s _ 201	7_77				
Comment Code							

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of an animal burrow on the landside slope of the levee.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

1110	2.04	Poting **		Issue No.		00
LM Start	3.61	Rating **	U	issue ivo.		86
LM End	3.61	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Category				Start		End
Item	Animal Control			38.3666	88°	38.366688°
пеш	-121.555749 ° -121				-121.555749°	
DWR ID	R ID DWR_RD0150_03_s _ 2017_86					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
	Inspector Comment					
Animal hole dug by most probably a fox.						



View of multiple rodent holes on the landside of the levee looking downstream.

LM Start	3.97	Rating **	М	Issue No.	91		
LM End	7.19	Issue Type +	Ma	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Vegetatio	/egetation			75 °	38.400705 °	
item				-121.55160)4°	-121.536081 °	
DWR ID	DWR_RD0	150_03_s _ 201	7_91				
Comment Code							

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	4.02	Rating **	M	Issue No.		93
LM End	4.02	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Erosion /	Bank Caving		38.3701	25 °	38.370125°
пеш				-121.552030 °		-121.552030 °
DWR ID	DWR_RD0150_03_s _ 2016_93					
		Comn	nent Cod	de		
E1: Note a	and monito	or erosion site				
	Inspector Comment					
Erosion on the waterside toe of the levee.						

Photo 1 of 1 : SP_2017_RD0150_17_93_20170327_00072.jpg
. 097 to 72016
Process of the second

An erosion was found on the waterside toe of the levee.

LM Start	4.55	Rating **	M	Issue No.	97		
LM End	4.55	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory		Start		End			
Erosion / Bank Caving		38.374554°		38.374554			
Item				-121.546245 °		-121.546245	
DWR ID DWR_RD0150_03_s _ 2017_97							
Comment Code							

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment



View of an erosion on the waterside of the levee looking upstream.

LM Start	4.79	Rating **	М	Issue No.	101		
LM End	4.79	Issue Type +	Ма	Location *	WS		
Category	Earthen Levee			GPS Lat	ituc	le/Longitude	
Calegory			Start		End		
ltom	Erosion / Bank Caving			38.37656	2 °	38.376562°	
Item			-121.54301	6°	-121.543016 °		
DWR ID DWR_RD0150_03_s _ 2017_101							
Comment Code							

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment



View of an erosion on the waterside toe of the levee.

* Location		** Rating		+ Issue Type
LS: Land Side	N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR · Crown		U : Unaccentable	A/W · Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	4.81	Rating **	М	Issue No.		102			
LM End	4.81	Issue Type +	Ma	Location *		WS			
Cotogony	Earthen L	evee		GPS La	atitude/Longitude				
Category						End			
Encroachments ltem				38.3768	45°	38.376845 °			
item				-121.5426	63 °	-121.542663 °			
DWR ID DWR_RD0150_03_s _ 2017_102									
Comment Code									
PR : Pruni	ngs								
Inspector Comment									

No Photos

LM Start	4.87	Rating **	М	Issue No.		103			
LM End	4.87	Issue Type +	Ma	Location *		WS			
Category Earthen Levee				GPS Latitude/Longitude					
Calegory			Start		End				
Item	Erosion / Bank Caving			38.377378°		38.377378 °			
item				-121.5419	13 °	-121.541913 °			
DWR ID DWR_RD0150_03_s _ 2017_103									
	Comment Code								

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Old tree fell of at the waterside toe of the levee.

Photo 1 of 1 : SP_2017_RD0150_17_103_20170330_00147.jpg



View of an erosion due to damaged tree root on the waterside toe of the levee.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	4.99	Rating **	М	Issue No.		36					
LM End	4.99	Issue Type +	Ма	Location *		WS					
Category Earthen Levee			GPS Latitude/Longitude								
Calegory			Start		End						
Slope Stability			38.3787	71°	38.378771 °						
					-121.540538°						
DWR ID DWR_RD0150_03_f _ 2012_36											
Comment Code											
S1 : Repair slope instability.											
Inspector Comment											

Photo 1 of 2 : SP_2017_RD0150_17_36_20170327_00023.jpg
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The second second second second second
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The second secon
11/17/2015

Updated picture of the slope instability of the waterside shoulder of the levee during fall 2015 inspection.

LM Start	4.99	Rating **	М	Issue No.	36 (cont)
LM End	4.99	Issue Type +	Ma	Location *	WS



Slope instability was found on the waterside of the levee looking upstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.06	Rating **	A/W	Issue No.		959
LM End	5.06	Issue Type +	Ма	Location *		WS
Category	Suppleme	ental		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	DWR UCI	P LMA Respo	onsibility	38.3796	97°	38.379697°
пеш				-121.5400	70°	-121.540070°
DWR ID						

Comment Code

Inspector Comment

FS_ID:49386 DS_ID:22446 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/2014 Recordation from permit files 13736 match

photos and approximate location of UCIP confirmed

crossing.8/2013- a smaller pump on WS steel deck and was running.- seems 30-inch steel pipe goes through the levee.- GI

electric conduit on WS and power pole on LS.

FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterward end. Gate valve and pump on the landward toe. (R.D. 150) O&M Manual SAC 112, March 1957. 24-inch diameter discharge pipe installed in 2003 under Permit No. 13736. Recordation from permit files match photos and approximate location of UCIP confirmed crossing.

FS Date: 8/23/2013

LM Start	5.06	Rating **	A/W	Issue No.	959 (cont)
LM End	5.06	Issue Type +	Ma	Location *	WS



WS view: pipe, steel deck, pressure tank, electric control box on stream bank.

Photo 2 of 3: UCIP_SP_2017_49386_63901.jpg



WS view: a smaller pump on steel deck. It was working during the survey.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.06	Rating **	A/W	Issue No.		959 (cont)
LM End	5.06	Issue Type +	Ма	Location *		WS
Category	Suppleme	ental		GPS La	titud	e/Longitude
Calegory				Start		End
Item	DWR UCI	P LMA Respo	onsibility	38.37969	97°	38.379697°
item				-121.5400	70°	-121.540070 °
DWR ID						·

Comment Code

Inspector Comment

FS_ID:49386 DS_ID:22446 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/2014 Recordation from permit files 13736 match

photos and approximate location of UCIP confirmed

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FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterward end. Gate valve and pump on the landward toe. (R.D. 150) O&M Manual SAC 112, March 1957. 24-inch diameter discharge pipe installed in 2003 under Permit No. 13736. Recordation from permit files match photos and approximate location of UCIP confirmed crossing.

FS Date: 8/23/2013



WS view: siphon breaker on pipe in steel deck on stream bank.

LM Start	5.14	Rating **	М	Issue No.		941
LM End	5.14	Issue Type +	Ma	Location *		CR
Catagony	Earthen L	evee		GPS La	titud	le/Longitude
Calegory	Category			Start		End
Item		rface / Depres	ssions /	38.38077	'9	38.380779 °
пеш	Rutting	-121.54026	4 °	-121.540264 °		
DWR ID	DWR_RD0	150_03_s _ 201	2_941			

Comment Code

C2: Repair depressions or ruts in the crown or slope.

Inspector Comment

There is a significant difference in the crown roadway elevation as it transitions from the paved roadway to the gravel access road.

Photo 1 of 1: SP_2017_RD0150_17_941_20170327_00090.jpg



View of varying elevations in the crown of the levee at the transition from county road to access road.

N/A : Not Applicable
e

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

Rating

N : Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.15	Rating **	М	Issue No.		72
LM End	5.15	Issue Type +	Ma	Location *		WS
Earthen Levee				GPS La	atitud	le/Longitude
Category				Start		End
Item	Encroachments			38.3809	40°	38.380940°
пеш			-121.5403	84°	-121.540384°	
DWR ID DWR_RD0150_03_f _ 2016_72						
		Comn	nent Cod	le		
TR : Tree	or limb					
		Inspecto	or Comm	nent		
Tree stump and broken tree was found on the waterside toe.						



View of tree stump and broken tree on the waterside toe of the levee.
Fall 2016

LM Start	5.32	Rating **	М	Issue No.		96
LM End	5.32	Issue Type +	Ма	Location *	WS	
Catagoria Earthen Levee			GPS La	atitud	e/Longitude	
Calegory	Category			Start		End
Item	Encroachments			38.381843°		38.381843°
пеш				-121.543117°		-121.543117°
DWR ID	DWR_RD0	150_03_s _ 201	6_96			
		Comn	nent Cod	le		
TR : Tree	or limb					
Inspector Comment						
Broken tree/root damaged levee slope.						



Broken tree roots and tree trunks were found on the waterside toe of the levee.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.49	Rating **	N	Issue No.		74	
LM End	5.49	Issue Type +	Ma	Location *	WS		
Earthen Levee				GPS L	atitud	e/Longitude	
Category				Start		End	
Item	Trim / Thin Trees			38.383051 °		38.383051	0
item				-121.545735 °		-121.545735	0
DWR ID	DWR_RD0	150_03_f _ 201	6_74				
		Comn	nent Cod	le			
T5 : Tree s	stumps.						Ī
Inspector Comment							
Tree stump and broken tree was found on the waterside shoulder of the levee.							



View of tree trunks on the waterside shoulder of the levee. Fall 2016

LM Start	5.56	Rating **	N	Issue No.		68
LM End	5.56	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory	ory			Start		End
Item	Trim / Thin Trees			38.383697°		38.383697 °
item				-121.5452	01 °	-121.545201 °
DWR ID	DWR_RD0	150_03_s _ 201	2_68			
Comment Code						
T5 : Tree s	stumps.					

Inspector Comment



Tree stump was found on the waterside of the levee looking upstream.

LM Start	5.69	Rating **	N	Issue No.		41
LM End	5.69	Issue Type +	Ma	Location *		WS
Category Earthen Levee				GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Trim / Thin Trees			38.3839	69°	38.383969 °
пеш				-121.542806 °		-121.542806 °
DWR ID	DWR_RD0	150_03_s _ 201	2_41			
		Comn	nent Cod	le		
T5 : Tree s	stumps.					
Inspector Comment						

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.71	Rating **	U	Issue No.		104	
LM End	5.71	Issue Type +	Ма	Location *	LS		
Earthen Levee			GPS La	atitud	le/Longitude		
Category				Start		End	
Item	Animal Control			38.3840	26°	38.384026 °	
item				-121.5424	55°	-121.542455 °	
DWR ID DWR_RD0150_03_s _ 2017_104							
		Comn	nent Cod	de			
A3 : No ro compact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and	
		Inspecto	or Comm	nent			
Fox hole							



View of a rodent hole on the landside toe of the levee.

5.78	Rating **	М	Issue No.		28			
5.78	Issue Type +	Ma	Location *	WS				
Earthen Levee				GPS Latitude/Longitude				
Category					End			
Vegetatio	n		38.3843	33 °	38.384333			
		-121.5413	10°	-121.541310				
DWR ID DWR_RD0150_03_s _ 2012_28								
	5.78 Earthen L Vegetation	5.78 Issue Type + Earthen Levee Vegetation	5.78 Issue Type + Ma Earthen Levee Vegetation	5.78 Issue Type + Ma Location * Earthen Levee GPS La Start Start Vegetation 38.3843 -121.5413	5.78 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Vegetation 38.384333 ° -121.541310 °			

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment



Wild growth was found on the waterside slope of the levee looking upstream.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	5.82	Rating **	М	Issue No.		57	
LM End	5.82	Issue Type +	Ма	Location *	LS		
Catagony	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Encroach		38.3846	48°	38.384648 °		
пеш				-121.5406	-121.540669 °		
DWR ID	DWR_RD0	150_03_s _ 201	2_57				
		Comn	nent Cod	le			
TR : Tree	or limb						
		Inspecto	or Comm	nent			



View of a tree trunk lying on the landward slope blocking visibility.

LM Start	6.23	Rating **	N	Issue No.		49		
LM End	6.23	Issue Type +	Ма	Location *		WS		
Earthen Levee			GPS Latitude/Longitude					
Category				Start		End		
Item	Trim / Thin Trees			38.389658°		38.389658 °		
пеш				-121.541518 °		-121.541518°		
DWR ID	DWR_RD0	150_03_s _ 201	2_49					
Comment Code								
T5 : Tree stumps.								
		Inchacte	or Comm	ant				

Inspector Comment



View of tree stumps on the waterward slope.

LM Start	6.26	Rating **	М	Issue No.		105		
LM End	6.26	Issue Type +	Ma	Location *	WS			
Cotogon Earthen Levee			GPS Latitude/Longitude					
Category				Start		End		
Item	Slope Sta	bility		38.3899	35 °	38.389935 °		
пеш				-121.5410	65 °	-121.541065 °		
DWR ID DWR_RD0150_03_s _ 2017_105								
Comment Code								

S1 : Repair slope instability.

Inspector Comment

Cracks and depression on the waterside shoulder.



View of depression and cracks on the waterside shoulder of the levee.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	6.47	Rating **	М	Issue No.		106	
LM End	6.47	Issue Type +	Ма	Location *	WS		
Category	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End	
Item	Erosion /		38.3918	59°	38.391859°		
item				-121.538190 °		-121.538190 °	
DWR ID DWR_RD0150_03_s _ 2017_106							
		Comn	nent Cod	le			
E1 : Note a	and monito	or erosion site					
		Inspecto	or Comm	nent			



View of an erosion on the wateraside toe of the levee.

LM Start	6.80	Rating **	М	Issue No.		107		
LM End	6.80	Issue Type +	Ma	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
				Start		End		
Item	Erosion /	Bank Caving		38.3958	93 °	38.395893 °		
пеш				-121.537041 °		-121.537041 °		
DWR ID DWR_RD0150_03_s _ 2017_107								
	Comment Code							

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Photo 1 of 1 : SP_2017_RD0150_17_107_20170330_00151.jpg



View of an erosion on the waterside slope of the levee.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	6.91	Rating **	С	Issue No.		79
LM End	6.91	Issue Type +	Ма	Location *		LS
Cotogony	evee		GPS La	atitud	e/Longitude	
Category				Start		End
Item	Trim / Thi	n Trees		38.3966	98°	38.396698°
пеш				-121.5354	06 °	-121.535406°
DWR ID	DWR_RD0	150_03_f _ 201	2_79			
		Comn	nent Cod	le		
T2 : Thin to	rees to allo	w visibility of	the grou	nd and roor	n to	flood fight.
		Inspecto	or Comm	ent		

No Photos

LM Start	7.19	Rating **	M	Issue No.		109	
LM End	7.28	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS Lat	titud	e/Longitude	
Category				Start		End	
Item	Vegetatio	n		38.40070	5 °	38.401639°	
пеш				-121.53608	11°	-121.537052 °	
DWR ID	DWR_RD0	150_03_s _ 201	7_109				
		Comn	nent Cod	le			

No Photos

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

LM Start	7.19	Rating **	М	Issue No.		108		
LM End	7.28	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS L	atitud	le/Longitude		
Category				Start		End		
Item	Vegetatio	n		38.4007	'05 °	38.401640	0	
пеш				-121.5360	81 °	-121.537052	٥	
DWR ID	DWR_RD0	150_03_s _ 201	7_108					
		Comn	nent Cod	de				
V1 : Contro	ol annual g	grass and wee	ds on th	e levee slo	pes a	and		
easements	S.							
		Inspecto	or Comm	nent				
1								

No Photos

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	7.38	Rating **	N	Issue No.		63
LM End	7.38	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee	GPS Latitude/Longitude			
Calegory				Start		End
Item	Trim / Thi	n Trees		38.4027	79°	38.402779 °
пеш				-121.5381	97 °	-121.538197 °
DWR ID	DWR_RD0	150_03_s _ 201	2_63			
		Comn	nent Cod	de		
T5 : Tree s	stumps.					
		Inspecto	or Comm	nent		



View of a tree stump on the landward slope.

LM Start	7.45	Rating **	М	Issue No.		110	
LM End	9.34	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee		GPS La	titud	e/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		38.40363	37°	38.413112°	
пеш				-121.53898	30°	-121.523784°	
DWR ID	DWR_RD0	150_03_s _ 201	7_110				
		Comn	nent Cod	le			

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	7.45	Rating **	М	Issue No.		111
LM End	9.34	Issue Type +	Ma	Location *		LS
Category	evee	GPS Latitude/Longitude				
Calegory				Start		End
Item	Vegetatio	n		38.4036	36°	38.413111°
пеш				-121.5389	97 °	-121.523782 °
DWR ID	DWR_RD0	150_03_s _ 201	7_111			
		Comn	nent Cod	le		
		grass and wee	ds on th	e levee slop	oes a	and
easements	3.					
		Inspecto	or Comm	nent		

No Photos

LM Start	7.70	Rating **	М	Issue No.		52	
LM End	7.70	Issue Type +	WS				
Category	Category Earthen Levee					le/Longitude	
Calegory	Start End						
Item	Encroach	ments		38.4055	36°	38.405536 °	
пеш				-121.5427	52 °	-121.542752 °	
DWR ID	DWR_RD0	150_03_f _ 201	5_52				
		Comn	nent Cod	le			

TR : Tree or limb

Inspector Comment

Tree trunks and stumps might damage the levee toe during high water.

Photo 1 of 1 : SP_2017_RD0150_17_52_20170327_00034.jpg



View of the tree trunk on the waterside toe of the levee.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM End Category Earthen Levee Slope Stability DWR ID DWR_RD0150_03_s		Ма	GPS La Start 38.40609	98°	WS e/Longitude End 38.406098°
Category Item Slope Stability DWR ID DWR_RD0150_03_s	200		Start 38.40609	98°	End
Slope Stability DWR ID DWR_RD0150_03_s	200		38.40609		
DWR ID DWR_RD0150_03_s	200				38.406098°
DWR ID DWR_RD0150_03_s	20/		-121 5430		
	201		121.0100	28	-121.543028°
	5 _ 20	15_396			
	Comr	nent Cod	de		
S1 : Repair slope instability.					
Inc	enacti	or Comm	nent		
		or Comm	icit		
Slope instability caused by a	nee.				



Slope instability was found on the waterside toe of the levee looking upstream.

LM Start	8.02	Rating **	М	Issue No.		92	
LM End	8.02	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		38.4091	30°	38.409130°	
item				-121.539971 °		71 ° -121.539971 °	
DWR ID	DWR_RD0	150_03_s _ 201	4_92				
		Comn	nent Cod	le			
S1 : Repai	ir slope ins	tability.					
		Inspecto	or Comm	nent			



Updated picture of the slope instability on the waterside of the levee looking upstream during spring 2015 inspection.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	8.02	Rating **	М	Issue No.		92 (cont)	
LM End	8.02	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		38.4091	30°	38.409130 °	
пеш				-121.539971 °		1° -121.539971°	
DWR ID	DWR_RD0	150_03_s _ 201	4_92				
		Comn	nent Cod	de			
S1 : Repa	ir slope ins	tability.					
		Inspecto	or Comm	nent			



A slope instability was found on the waterside of the levee looking downstream.

LM Start	8.26	Rating **	М	Issue No.		65
LM End	8.26	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atituc	de/Longitude
Calegory				Start		End
Item	Erosion /	Bank Caving		38.4082	13°	38.408213 °
пеш				-121.5359	11 °	-121.535911 °
DWR ID	DWR_RD0	150_03_f _ 201	5_65			
		Comn	nent Cod	le		
E1 : Note a	and monito	or erosion site				
		Inspecto	or Comm	nent		

Photo 1 of 1 : SP_2017_RD0150_17_65_20170327_00046.jpg



View of erosion on the waterside of the levee.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

	0.04	D-+: **		Janua Na			
LM Start	8.31	Rating **	М	Issue No.		66	
LM End	8.31	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.4079	60°	38.407960 °	
пеш				-121.534898 °		98° -121.534898°	
DWR ID	DWR_RD0	150_03_s _ 201	2_66				
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			



Updated picture of the erosion on the waterside of the levee.

LM Start	8.33	Rating **	М	Issue No.		67	
LM End	8.33	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.4079	58°	38.407958 °	
item	-121.534					-121.534583 °	
DWR ID	DWR_RD0	150_03_s _ 201	2_67				
		Comn	nent Cod	le			
E1 : Note	and monito	or erosion site	-				
			•				
		Inspecto	or Comm	ent			



Updated picture of the erosion on the waterside shoulder looking upstream during spring 2014 inspection.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

		5 :: ++			I		
LM Start	8.33	Rating **	М	Issue No.		67 (cont)	
LM End	8.33	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS L	atitud	e/Longitude	
Category				Start		End	
Item	Erosion /	Bank Caving		38.4079	58°	38.407958 °	
item				-121.534583 °		-121.534583 °	
DWR ID	DWR_RD0	150_03_s _ 201	2_67				
		Comn	nent Cod	de			
E1 : Note	and monito	or erosion site					
		Inspecto	or Comm	nent			



Erosion was found on the waterside shoulder of the levee looking upstream. This picture was taken during fall 2012 inspection.

LM Start	8.37	Rating **	U	Issue No.	89	
LM End	8.37	Issue Type +	Ма	Location *		WS
Category	evee	GPS La	atitud	le/Longitude		
Calegory				Start		End
Item	Animal Co	ontrol		38.4081	53°	38.408153
item				-121.5339	80°	-121.533980
DWR ID DWR_RD0150_03_s _ 2012_89						
Comment Code						

A1: Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment



Updated picture of a rodent hole on the waterside shoulder of the levee during spring 2015 inspection.

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	8.37	Rating **	U	Issue No.		89 (cont)	
LM End	8.37	Issue Type +	Ma	Location *		WS	
Cotogony	Earthen L	evee		GPS La	atituc	le/Longitude	
Category				Start		End	
Item	Animal Co	ontrol		38.4081	53 °	38.408153°	
пеш				-121.5339	80°	-121.533980 °	
DWR ID DWR_RD0150_03_s _ 2012_89							
		Comn	nent Cod	le			
A1 : Exteri	minate rod	ents and back	fill and c	compact or	grou	it burrows.	
		Inspecto	or Comm	nent			



Updated picture of a rodent hole on the waterside shoulder of the levee during fall 2014 inspection.

LM Start	8.46	Rating **	N	Issue No.	90		
LM End	8.46	Issue Type +	Ма	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory						End	
Item	Trim / Thi	n Trees		38.409220 ° 38.409			
			-121.532801 °		-121.532801 °		
DWR ID DWR_RD0150_03_s _ 2012_90							
Comment Code							
T5 : Tree s	stumps.						
Inspector Comment							



A tree stump was found on the landside of the levee looking upstream.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

LM Start	8.50	Rating **	N	Issue No.		55	
LM End	8.50	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trim / Thin Trees			38.409559 °		38.409559°	
item			-121.532356 °		-121.532356°		
DWR ID DWR_RD0150_03_s _ 2012_55							
Comment Code							
T5 : Tree stumps.							
Inspector Comment							



A tree stump was found on the waterside of the levee looking upstream.

LM Start	9.21	Rating **	N	Issue No.	59		
LM End	9.21	Issue Type +	Ma	Location *	WS		
Category	Earthen L		GPS Latitude/Longitude				
Calegory			Start		End		
Item	Trim / Thin Trees			38.413268 °		38.413268 °	
item				-121.525929 °		-121.525929 °	
DWR ID DWR_RD0150_03_s _ 2012_59							
Comment Code							
T5 : Tree stumps.							

Inspector Comment



A tree stump was found on the waterside of the levee looking upstream.

LM Start	9.35	Rating **	U	Issue No.	73			
LM End	9.35	Issue Type +	Ma	Location *	WS			
Catagoni Earthen Levee				GPS Latitude/Longitude				
Category			Start		End			
Trim / Thin Trees				38.4131	69°	38.413169°		
пеш				-121.52370)7°	-121.523707°		
DWR ID	DWR_RD0	150_03_s _ 201	2_73					

Comment Code

T3: Trim and thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment



Thin/trim trees to allow for visibility of top 20' of waterward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/28/2017 03/28/2017	Pavel Kazi

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain